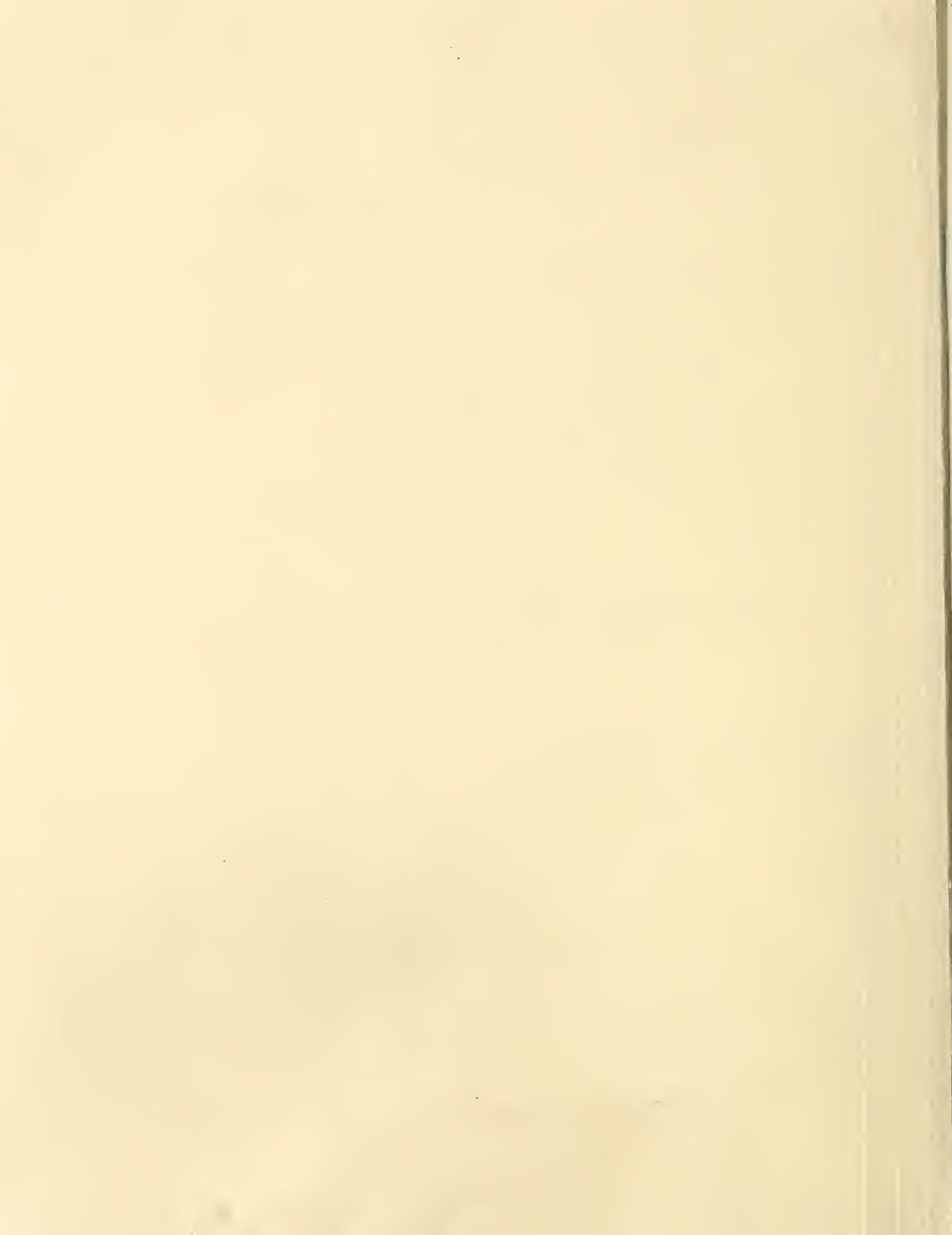


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UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICEX Breed Distribution of U.S. DEPARTMENT OF AGRICULTURE
NPIP Participating Flocks by States and Divisions,
1948-49, 1958-59 and 1959-60 X

The tabulation which follows shows the number of birds in NPIP hatchery supply flocks and the percentage distribution according to the matings in which they were used. These data indicate the trend in the type of chick demanded in the various States and Divisions. This is not an entirely accurate indication of breed popularity since the Crossmated totals include a high proportion of purebreds which would otherwise be listed under the respective breed totals. It will be noted that there is also some variation in the first year reported. In some cases data were not available for 1948-49, consequently the figures for the nearest available year were used to show, insofar as possible, the long-time trend within the State. The divisional totals are for the year 1959-60.

Breed distribution data for the past 19 years for all reporting States are summarized on page 4. The most significant data seem to be the continuation of the increase in the percentage of birds in crossmated flocks. This trend is largely due to the increase in the number of crossmated flocks for broiler production.

Division State and Year	Total Birds	Percentage distribution by varieties							
		New Hampshire	White Leghorn	White Rock	Barred Rock	Rhode Island Red	Cross mated	Incross mated	Other
Maine									
1948-49	789,655	61.0	.01	1.5	20.9	15.9	.3	---	.38
1958-59	2,232,211	.04	.1	7.8	----	.3	91.1	.6	.06
1959-60	1,732,549	----	.3	5.4	----	.1	92.2	.6	1.4
New Hampshire									
1948-49	1,352,165	87.9	.5	.5	9.9	1.1	----	----	.1
1958-59	1,013,897	10.6	1.0	43.6	3.4	.6	39.5	----	1.3
1959-60	665,893	5.7	1.6	49.1	3.8	1.2	31.2	----	7.4
Vermont									
1949-50	190,083	45.3	----	.5	39.4	14.7	----	----	.1
1958-59	204,513	1.6	8.8	10.6	.6	.6	77.8	----	----
1959-60	200,874	1.7	11.5	3.6	----	1.0	82.2	----	.03
Massachusetts									
1948-49	907,205	17.9	1.6	3.0	22.7	43.8	8.4	----	2.6
1958-59	726,327	5.8	7.9	12.5	6.5	12.7	51.9	----	2.7
1959-60	510,489	----	2.0	7.7	2.9	12.1	70.2	----	5.1
Rhode Island									
1948-49	40,479	12.2	.7	8.0	33.3	40.9	4.1	----	.83
1958-59	50,097	.4	.9	1.6	4.5	5.2	68.8	----	18.6
1959-60	30,050	.5	2.0	.8	1.0	8.2	79.1	----	8.4
Connecticut									
1948-49	459,472	36.9	2.5	9.3	30.1	20.2	.1	----	.9
1958-59	739,027	----	.8	43.5	1.9	----	53.7	----	.1
1959-60	616,653	----	4.7	34.1	10.6	1.8	48.6	----	.2
New York									
1948-49	699,269	21.1	47.9	2.5	17.8	10.3	----	----	.4
1958-59	503,947	1.8	68.5	2.8	1.4	2.9	20.4	1.8	.4
1959-60	495,124	1.0	81.6	.7	.4	2.3	11.5	2.1	.4
New Jersey									
1948-49	590,479	10.0	67.5	1.0	3.6	7.4	10.0	----	.4
1958-59	675,387	.5	76.1	1.2	.4	.9	14.1	6.6	.2
1959-60	527,358	.2	70.3	4.3	.5	.8	13.6	10.1	.2
Pennsylvania									
1949-50	1,336,042	46.8	22.3	3.5	2.8	1.2	22.6	----	.8
1958-59	1,462,781	.9	31.3	8.8	.8	1.0	48.5	8.2	.5
1959-60	1,437,016	.7	28.5	3.6	.2	.5	55.2	10.7	.6
North Atlantic	6,216,006	.9	20.3	12.2	1.8	1.8	57.5	3.7	1.8

Division State and Year	Total Birds	Percentage distribution by varieties								
		New Hampshire	White Leghorn	White Rock	Barred Rock	Rhode Is- land Red	Cross- mated	Incross- mated	Other	
Ohio										
1948-49	1,386,066	25.1	30.5	24.7	6.3	2.8	7.1	---	3.5	
1958-59	1,101,078	5.1	29.9	17.3	.9	1.2	29.6	13.7	2.3	
1959-60	825,927	5.0	28.0	14.4	1.1	1.2	28.3	19.7	2.3	
Indiana										
1948-49	2,527,494	27.3	17.9	24.5	16.7	3.5	5.7	---	4.5	
1958-59	2,498,648	4.3	17.2	15.6	1.1	1.1	53.7	6.1	.9	
1959-60	2,615,551	3.1	16.8	10.2	.6	.9	62.0	5.6	.8	
Illinois										
1948-49	2,453,401	17.1	21.0	31.3	6.9	2.3	12.5	---	8.7	
1958-59	1,360,381	5.0	29.8	15.0	.7	1.1	25.9	20.0	2.5	
1959-60	1,064,705	4.2	32.5	11.6	.8	1.2	21.3	24.2	4.2	
Michigan										
1948-49	476,761	9.4	49.8	17.6	8.0	6.3	6.9	---	1.9	
1958-59	418,847	1.6	42.0	12.6	.2	1.4	29.6	11.8	.8	
1959-60	308,609	1.1	43.9	7.8	.1	1.5	27.6	17.3	.7	
Wisconsin										
1948-49	359,267	8.4	75.0	9.7	.4	.3	5.1	---	1.0	
1958-59	493,705	4.1	25.1	9.0	---	.1	44.7	15.7	1.3	
1959-60	390,046	.3	26.4	5.0	---	.1	43.2	16.0	9.1	
E. North Central	5,204,838	3.3	24.1	10.6	.7	1.0	44.9	13.0	2.4	
Minnesota										
1948-49	1,774,551	7.7	61.9	5.5	.3	.6	23.1	---	.9	
1958-59	1,816,396	.5	50.3	5.6	.3	.3	25.6	16.4	1.0	
1959-60	1,276,269	.4	53.4	4.2	.1	.2	17.9	23.0	.8	
Iowa										
1948-49	1,052,969	16.7	29.4	19.0	2.4	1.1	28.8	---	2.5	
1958-59	1,605,282	.2	24.4	1.7	.2	.9	35.8	35.2	1.6	
1959-60	1,304,683	.1	31.4	1.8	.01	.6	26.8	37.6	1.7	
Missouri										
1948-49	2,615,162	23.7	24.9	19.1	6.2	6.1	10.8	---	9.2	
1958-59	2,194,769	3.5	8.1	4.8	.6	2.4	75.9	2.8	1.9	
1959-60	2,106,902	2.8	7.0	3.5	.6	1.8	80.3	2.3	1.7	
North Dakota										
1948-49	187,742	20.9	33.7	26.6	1.0	.8	12.4	---	4.7	
1958-59	142,310	4.4	25.5	23.3	.1	.2	39.1	4.1	3.3	
1959-60	122,244	4.4	25.0	22.5	.3	.2	37.2	7.3	3.1	
South Dakota										
1948-49	247,652	15.3	36.1	19.8	.8	.3	7.3	---	20.4	
1958-59	256,565	.5	36.8	3.2	---	2.1	35.6	17.5	4.3	
1959-60	245,157	.3	48.0	2.1	---	1.5	26.1	17.9	4.1	
Nebraska										
1948-49	412,521	17.0	22.8	28.8	.8	1.4	26.9	---	2.3	
1958-59	488,306	.9	15.8	3.8	---	.6	46.4	32.3	.2	
1959-60	367,536	.8	21.4	3.7	---	.5	37.7	35.5	.4	
Kansas										
1948-49	813,020	22.1	19.0	16.8	1.0	2.5	32.4	---	6.2	
1958-59	540,824	2.4	15.0	4.0	.2	1.5	62.2	12.0	2.7	
1959-60	398,351	1.5	16.3	3.0	.3	2.0	56.4	18.6	1.9	
W. North Central	5,821,142	1.4	26.3	3.6	.3	1.0	47.1	18.7	1.6	
Delaware										
1948-49	367,506	2.3	.8	.02	1.9	.3	94.1	---	.6	
1958-59	461,348	.5	.2	.3	---	.2	97.8	.7	.3	
1959-60	533,489	.1	2.4	.1	---	.2	96.2	.9	.1	
Maryland										
1948-49	431,658	68.1	20.0	3.6	3.6	2.1	---	---	2.6	
1958-59	349,184	2.6	4.5	1.8	---	.2	88.8	1.8	.3	
1959-60	278,003	1.0	4.4	1.6	---	.1	89.7	3.2	---	
Virginia										
1948-49	801,443	67.7	9.5	1.0	4.9	1.4	15.3	---	.1	
1958-59	1,214,006	1.2	4.0	4.1	.1	1.0	87.0	2.6	.02	
1959-60	1,058,519	.8	4.1	3.3	.01	.9	88.0	2.7	.23	

Division State and Year	Total	New Birds	Percentage distribution by varieties							
			New Hampshire	White Leghorn	White Rock	Barred Rock	Rhode Is- land Red	Cross- mated	Incross- mated	Other
West Virginia										
1948-49	156,290	45.0	16.9	5.4	3.3	2.9	21.9	----	4.6	
1958-59	178,137	4.9	6.9	3.3	.3	1.1	81.1	.5	1.9	
1959-60	113,618	5.1	13.1	1.5	.3	1.9	74.7	.6	2.8	
North Carolina										
1948-49	778,362	65.4	4.8	1.8	7.3	5.3	14.6	----	1.0	
1958-59	3,818,065	.4	2.0	3.4	.005	1.9	91.9	.4	.03	
1959-60	3,296,552	----	3.6	3.2	.03	1.8	90.7	.7	.02	
South Carolina										
1948-49	114,028	65.4	6.0	4.1	7.7	10.0	5.8	----	1.1	
1958-59	405,922	.1	10.9	7.5	.9	5.1	72.7	1.5	1.3	
1959-60	416,931	.2	8.6	10.9	.3	4.3	73.4	2.3	----	
Georgia										
1948-49	609,908	85.9	1.3	.4	.6	5.6	6.1	----	.1	
1958-59	4,748,162	1.2	6.1	11.6	----	.2	80.9	----	.08	
1959-60	4,784,437	2.3	6.3	5.8	----	.1	85.2	----	.3	
Florida										
1948-49	161,317	77.8	19.8	.8	.3	.6	.3	----	.5	
1958-59	328,644	1.6	38.8	8.1	----	1.4	38.3	10.9	.9	
1959-60	259,046	.9	35.6	4.3	.5	.3	43.1	14.6	.8	
South Atlantic	10,740,595	1.2	5.9	4.5	.03	.9	86.2	1.1	.22	
Kentucky										
1948-49	493,658	39.6	5.7	27.0	16.1	6.6	1.2	----	4.0	
1958-59	496,688	9.5	4.3	6.9	1.6	.7	56.2	.6	.2	
1959-60	317,011	9.4	8.4	9.4	1.5	.5	70.2	.3	.3	
Tennessee										
1948-49	215,819	40.6	9.4	17.7	17.1	4.6	1.2	----	9.4	
1958-59	400,403	5.4	11.1	5.7	1.8	3.3	64.4	7.5	.8	
1959-60	430,016	3.0	13.4	3.4	1.4	1.9	68.2	8.3	.4	
Alabama										
1948-49	186,010	82.1	9.5	1.6	2.9	2.3	.3	----	1.2	
1958-59	1,406,282	.2	3.3	14.6	.03	.6	78.4	2.9	.03	
1959-60	1,784,039	.1	3.0	10.6	.5	.4	84.1	1.3	.02	
Mississippi										
1948-49	87,144	35.3	14.1	9.7	7.2	4.2	25.5	----	4.1	
1958-59	1,287,912	.1	4.0	8.8	.01	.2	85.8	1.1	----	
1959-60	1,557,938	.07	3.6	8.2	.01	.1	87.4	.6	.01	
Arkansas										
1948-49	125,324	20.9	5.5	8.2	17.7	2.5	25.7	----	19.5	
1958-59	1,335,255	----	1.8	6.2	.004	----	84.8	1.2	6.0	
1959-60	1,434,037	----	3.1	9.2	.01	----	86.2	1.4	.1	
Louisiana										
1948-49	49,982	30.0	9.2	15.6	15.2	8.0	5.8	----	16.2	
1958-59	324,359	1.2	10.6	2.1	.3	.3	83.6	1.9	----	
1959-60	260,126	.9	6.4	----	----	1.0	88.9	2.4	.4	
Oklahoma										
1948-49	337,693	13.0	20.5	20.3	3.7	5.0	25.7	----	11.9	
1958-59	222,961	8.5	19.6	9.4	.4	.4	50.0	2.6	9.1	
1959-60	229,252	5.9	15.8	6.5	.3	.5	60.8	4.4	5.8	
Texas										
1948-49	393,773	11.0	53.8	3.5	3.8	3.3	19.9	----	4.7	
1958-59	551,593	.1	21.7	3.3	----	----	47.3	27.5	.1	
1959-60	371,725	.2	28.5	2.6	----	----	34.8	33.8	.3	
South Central	6,384,144	1.0	6.2	8.1	.3	.4	80.1	3.6	.3	
Montana										
1948-49	33,153	31.1	32.3	13.1	.4	1.9	16.2	----	5.0	
1958-59	75,619	6.4	33.3	14.6	----	----	42.1	3.6	----	
1959-60	63,125	5.5	40.5	6.5	----	----	41.8	5.5	.2	
Idaho										
1948-49	95,811	43.9	30.6	6.8	----	----	15.4	----	3.2	
1958-59	85,585	12.6	47.2	7.5	----	.6	30.3	1.0	.8	
1959-60	82,418	10.1	36.0	2.4	----	.6	49.7	.9	.3	

Division State and Year	Total Birds	Percentage distribution by varieties								
		New Hampshire	White Leghorn	White Rock	Barred Rock	Rhode Is- land Red	Cross- mated	Incross- mated	Other	
Wyoming										
1948-49	13,432	22.1	42.2	25.9	----	1.8	6.2	----	1.9	
1958-59	4,798	6.5	3.6	18.6	----	----	19.7	51.6	----	
1959-60	4,176	5.7	4.0	12.1	----	----	9.0	69.2	----	
Colorado										
1948-49	135,291	23.3	31.9	20.1	1.6	5.2	13.4	----	4.5	
1958-59	62,002	7.4	20.8	13.1	----	----	21.4	36.4	.9	
1959-60	57,491	7.9	19.7	14.9	----	----	25.7	31.4	.4	
New Mexico										
1948-49	6,480	11.8	64.4	----	----	----	20.6	----	3.2	
1958-59	540	55.6	----	----	----	----	44.4	----	----	
1959-60	----	----	----	----	----	----	----	----	----	
Arizona										
1948-49	11,987	47.0	17.9	----	2.0	27.9	4.6	----	.6	
1958-59	22,961	----	43.3	7.0	----	----	36.7	13.0	----	
1959-60	26,588	----	55.6	----	----	5.6	16.2	22.6	----	
Utah										
1948-49	82,837	11.0	84.4	.2	----	----	3.1	----	1.3	
1958-59	95,401	8.6	40.9	11.0	----	----	11.5	28.0	----	
1959-60	73,684	7.4	44.4	2.0	----	----	19.2	27.0	.04	
Washington										
1948-49	419,990	45.3	39.0	.4	.4	10.8	3.5	----	.7	
1958-59	461,260	2.6	52.8	7.7	.03	1.6	31.1	4.1	.13	
1959-60	476,431	1.8	51.9	2.3	.04	.9	38.3	4.4	.4	
Oregon										
1948-49	384,859	52.6	23.8	1.1	1.3	9.6	10.7	----	.9	
1958-59	509,789	3.0	19.3	3.2	.2	3.3	69.0	1.4	.6	
1959-60	406,453	3.0	22.8	2.3	.3	2.2	67.9	1.3	.2	
California										
1948-49	1,250,945	39.0	55.4	----	1.5	1.1	----	----	3.0	
1958-59	615,981	2.2	15.0	3.7	.3	.2	72.4	5.7	.5	
1959-60	543,698	9.2	13.7	9.7	.02	----	58.9	7.3	1.2	
Western	1,734,064	5.4	30.5	5.2	.1	.9	50.7	6.7	.5	

Summary of Breed Distribution in NPIP Hatchery Supply Flocks
1941-42 to 1959-60

Year	States	Total Birds	Percentage of								
			New Hampshire	White Leghorn	White Rock	Barred Rock	Rhode Is- land Red	Cross- mated	Incross- mated	Other	
1941-42	33	10,712,027	21.2	24.1	15.6	16.2	12.5	2.0	----	8.4	
1942-43	40	15,780,980	19.2	26.6	18.3	15.7	8.9	3.0	----	8.3	
1943-44	42	20,331,999	19.4	25.9	19.7	13.9	8.3	5.5	----	7.3	
1944-45	39	17,573,321	20.6	25.8	17.5	12.4	8.0	9.8	----	5.9	
1945-46	32	20,256,904	23.8	23.1	17.0	11.4	7.7	11.3	----	5.7	
1946-47	38	24,490,346	23.4	25.4	17.4	10.0	6.5	11.1	----	6.2	
1947-48	42	25,148,247	25.9	24.7	15.2	10.2	6.8	12.4	----	4.8	
1948-49	44	26,458,372	31.9	25.7	13.2	7.8	5.6	11.9	----	3.9	
1949-50	47	36,195,375	38.8	21.9	10.4	6.3	4.3	15.1	----	3.2	
1950-51	47	33,804,603	38.9	21.6	10.1	5.8	4.1	16.4	----	3.1	
1951-52	47	37,559,597	41.4	18.9	11.9	4.0	3.3	14.3	3.4	2.8	
1952-53	47	33,847,682	36.2	20.1	14.8	3.5	3.2	16.0	4.0	2.2	
1953-54	47	36,027,365	25.4	18.9	23.1	2.2	2.7	19.7	5.1	2.9	
1954-55	47	37,066,336	16.0	19.2	29.5	1.3	2.7	21.2	7.0	3.1	
1955-56	47	34,881,690	6.7	18.9	25.2	1.2	2.3	34.0	9.1	2.6	
1956-57	47	39,013,812	4.1	14.8	21.0	1.0	1.7	47.1	8.0	2.3	
1957-58	47	35,588,558	3.2	17.0	10.1	.7	1.7	57.7	8.4	1.2	
1958-59	47	39,988,155	2.1	15.5	9.8	.5	1.2	63.5	6.4	1.0	
1959-60	47	36,100,789	1.7	15.5	7.2	.5	1.0	66.2	6.8	1.1	

Information in this report was compiled by the Animal Husbandry Research Division,
Agricultural Research Service.